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CENTRAL INTELLIGENCE GROUP INTELLIGENCE REPORT

COUNTRY Germany (Russian Zone)
SUBJECT Torpedo Research at Berlin-Köpenick
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1. Torpedo research is currently being conducted at the Gema installation at Berlin-Köpenick under the direction of one Davidov. His predecessor, Voronets, was recalled to Moscow on 1 September 1947.
2. The torpedo division at Gema Köpenick is principally concerned with the construction of steering devices and warheads. The old German GA VII and GA VIII steering devices (Gradlaufapparate) are being improved upon. These devices, in their latest stages of development, were equipped with a double or triple rotor, designated FAT 1 or 2, which allowed for curving, circular, or zig-zag courses.
3. The gyroscopes of the steering devices will be initially started off by a pressure of 200 atmospheres and maintained in motion by sixteen atmospheres shot off from three jets in the rotor. The gyroscopes will revolve at 10,000 to 11,000 rpm for a period of twenty minutes. Deviation from the set course will not exceed 0.1°.
4. Attempts have also been made at Köpenick to construct a pneumatic master steering device for torpedoes to counteract the deflecting effect of the concussion of shells striking the water near the projectile. Nothing further is known concerning this research.
5. No improvements have been made on the old German depth steering device for torpedoes.

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